

**Work Order ID 63363**

October 28, 2010 8:31:04 AM



Page 1

Item ID: D4188-5

Accept



Setup Start



Revision ID: PRELIM

Item Name: Spring, Fly Stop

Stop



Start Date: 10/28/10 Start Qty: 6.00



Cust Item ID:

Required Date: 11/12/10 Req'd Qty: 6.00



Customer:

Reference:

Approvals:

Process Plan: CLDate: 10/10/28 Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D4188	PA1

100

0.00



PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 12822

Make as per dwg

Possible Supplier: VICTORY SPRING Material release note required

CL 10/10/28 (6)

110

0.00



Receive &amp; Inspect for Damage &amp; Mat'l Certs

Packaging

Memo

0.00

Packaging

Ensure Material Release Note is attached

CL 10/10/16 (6)

120

QC6- Inspect dimensions to drawing

0.00 - inspector to PA1



QC

Memo

0.00

Quality Control

Dwg only  
10/14/17 (6)**PRELIMINARY ISSUE**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

[illegible]

Page 2

**Accept**

**Setup Start**

**Abstract**

**Stop**

[REDACTED]

[illegible]**Cust Item ID:**

██████████

**Customer:**

**Reference:**

**Approvals:**      **Process Plan:** \_\_\_\_\_      **Date:** \_\_\_\_\_      **Tooling:** \_\_\_\_\_      **Date:** \_\_\_\_\_

Run Start

\_\_\_\_\_

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

**Stop**

\_\_\_\_\_

### Operation Description

### Set Up/ Run Hours

## Tool ID

**Tool #**

## Plan Code

**Accept  
Qty**

Reject  
Qty

### Reject Number

**Insp.  
Stamp**

Identify as per dwg & Stock Location:

0.00

[illegible]

## Packaging

## Memo

0.00

Feb 11.03.17

6

*J*

140

QC21- Final Inspection - Work Order Release

0.00

[illegible]

QC

## Memo

0.00

## Quality Control

**POSITIVE RECALL**

EFFECTIVE 10/10/28 AUTH 12

RELEASED \_\_\_\_\_ DATE \_\_\_\_\_

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Ricklist Print

October 28, 2010 8:31:04 AM

Page 1

Work Order ID: 63363



Parent Item: D4188-5



Parent Item Name: Spring, Fly Stop


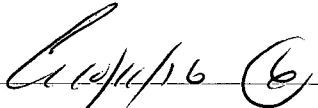
Start Date: 10/28/10

Required Date: 11/12/10

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP REV:A NEW ISSUE 10-10-19 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4188-5P  Spring, Fly Stop		Purchased	No				Each	0.0000	1	6			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO12822

Purchase Order Date 10/28/10

PO Print Date 10/28/10

Page Number 1 of 2

Order From :

VC-VIC002

VICTORY SPRING LTD.  
#2 6104 - 82 AVE.  
EDMONTON, AB T6B 0E7  
CA

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

866 230 5312

866 230 5338

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAKED**  
10/10/10

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D4188-1P	Spring, LH Idle Stop	11/12/10 Yes	6.00 Each	FedEx PI ppd	\$28.1400	\$168.84
		Special Inst:	AS PER DWG D4188 REV. PA1 B63360				
2	D4188-2P	Spring, RH Idle Stop	11/12/10 Yes	6.00 Each	FedEx PI ppd	\$28.1400	\$168.84
		Special Inst:	AS ABOVE B63361				
3	D4188-3P	Spring, Idle Stop Limiter	11/12/10 Yes	6.00 Each	FedEx PI ppd	\$15.0700	\$90.42
		Special Inst:	AS ABOVE B63362				
4	D4188-5P	Spring, Fly Stop	11/12/10 Yes	6.00 Each	FedEx PI ppd	\$15.0700	\$90.42

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

Change Nbr: 1

Change Date: 10/28/10

## MATERIAL CERTIFICATION

REPORT FOR: Dart Aerospace Ltd	DATE: 11-12-10																																																							
PART/DRAWING #:	PO # PO12822																																																							
SPRING DESCRIPTION:	QUANTITY:																																																							
MATERIAL GRADE: <u>T302 Stainless Steel Wire Spring ASTM-313-03</u>																																																								
<p>PROPERTIES:</p> <p style="text-align: center;"><i>8106/17 E6</i> <i>-inspected &amp; PA1</i> <i>Dwg only</i></p> <table> <thead> <tr> <th colspan="3"><u>Chemical</u></th> <th colspan="2"><u>Physical</u></th> </tr> </thead> <tbody> <tr> <td>Carbon:</td> <td>(C)</td> <td>0.066</td> <td>Size:</td> <td>0.045</td> </tr> <tr> <td>Chromium:</td> <td>(Cr)</td> <td></td> <td>Tensile:</td> <td>285000</td> </tr> <tr> <td>Copper:</td> <td>(Cu)</td> <td></td> <td>Hardness:</td> <td></td> </tr> <tr> <td>Manganese:</td> <td>(Mn)</td> <td>1.170</td> <td>Heat #</td> <td>47006</td> </tr> <tr> <td>Molybdenum:</td> <td>(Mo)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Nickel:</td> <td>(Ni)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Nitrogen:</td> <td>(N)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Phosphorus:</td> <td>(P)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Silicon:</td> <td>(Si)</td> <td>0.490</td> <td></td> <td></td> </tr> <tr> <td>Sulphur:</td> <td>(S)</td> <td>0.006</td> <td></td> <td></td> </tr> </tbody> </table>		<u>Chemical</u>			<u>Physical</u>		Carbon:	(C)	0.066	Size:	0.045	Chromium:	(Cr)		Tensile:	285000	Copper:	(Cu)		Hardness:		Manganese:	(Mn)	1.170	Heat #	47006	Molybdenum:	(Mo)				Nickel:	(Ni)				Nitrogen:	(N)				Phosphorus:	(P)				Silicon:	(Si)	0.490			Sulphur:	(S)	0.006		
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Sulphur:	(S)	0.006																																																						

Certified by: Chris Burrowes

Victory Spring Ltd. certifies this to be a true & accurate copy of the original contained in the company records.





convenient. consistent. correct.

# 2,6104 - 82 Ave  
Edmonton, AB T6B 0E7  
t + 780 442 4020  
f + 780 466 8000

To: Dart Aero  
Attn: Chantal Lavoie

**QUOTATION**

It is our pleasure to quote on the following:

Date 27-Oct-10

DESCRIPTION & SPECIFICATIONS	QUANTITY	PRICE
D4188-1 Spring - LH Idle Stop	6	[REDACTED]
D4188-2 Spring - RH Idle Stop	6	[REDACTED]
D4188-3 Spring - Idle Stop Limiter	6	[REDACTED]
<u>D4188-5 Spring - Fly Stop</u>	6	[REDACTED]
D4188-7 Spring - Pivot	6	[REDACTED]
D4188-9 Spring - Plunger	6	[REDACTED]
Delivery: 2 weeks ARO		

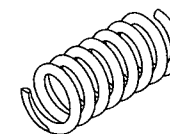
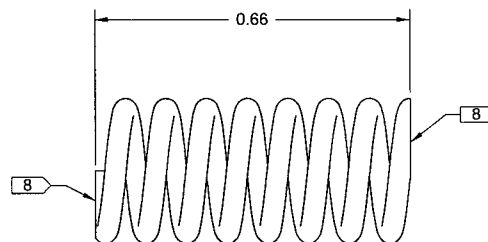
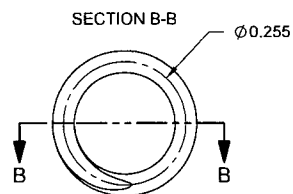
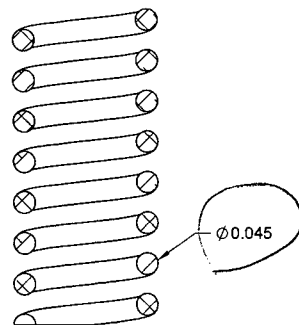
**TERMS & CONDITIONS**

This quotation is subject to review after 30 days. Orders cannot be cancelled except by our consent and on terms which will indemnify us of any loss or damage. Estimates of delivery are subject to change. An over or under run of up to 10% allowed on total parts ordered. Rights reserved to keep all tools manufactured by us. Liability limited to repair or replacement of parts only if they fail to meet specifications or raw material is defective. Under no circumstances shall we be obliged to pay for consequential damages. Springs quoted using commercial tolerances unless otherwise noted. Printed machine tolerances do not apply.

- TAXES EXTRA
- TERMS: NET 30 DAYS

*Jeremy Burrows*  
VICTORY SPRING LTD.

[www.victoryspring.ca](http://www.victoryspring.ca)[sales@victoryspring.ca](mailto:sales@victoryspring.ca)



**D4188-5 SPRING - FLY STOP**

C21010/28  
W10'63363

- NOTES:**
- 1) MATERIAL: STAINLESS STEEL WIRE
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
  - 7) WEIGHT: 0.00 lbs
  - 8) EXTRA WINDING PERMITTED AT EITHER END OF SPRING

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PA1
MFG. APPR.		<b>D4188</b>	SHEET 4 OF 6
APPROVED		TITLE	SCALE
DE APPR.		<b>SPRING</b>	NTS
DATE	10.09.21	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	